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August 30, 2001

**VIA COURIER**

The Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231  
United States of America

Dear Sirs:

**RE: U.S. Patent Application No. 09/806,709**  
**Filing Date: October 7, 1999**  
**Applicant: Connaught Laboratories Limited**  
**PROTECTIVE RECOMBINANT HAEMOPHILUS INFLUENZAE**  
**HIGH MOLECULAR WEIGHT PROTEINS**

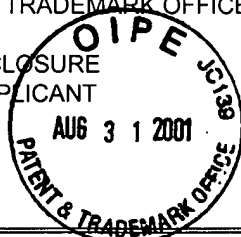
Please find enclosed an Information Disclosure Statement and copies of the references listed therein with respect to each of the references cited in the specification, in the International Search Report received on the corresponding International application and in prior U.S. application No. 09/806,709. The items indicated by asterisks will follow shortly.

Respectfully submitted,

Michael I. Stewart  
Registration No. 24,973

M.I. Stewart/ac  
Encl.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 1038-1138 MIS:ac	SERIAL NO. 09/806,709
	APPLICANT: Sheena Loosmore et al.	
	FILING DATE October 7, 1999	GROUP ---



## U.S. PATENT DOCUMENTS

*INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCL.	FILING DATE
		4,496,538	Jan/85	Gordon	424	92	
	*	5,603,938	Feb/97	Barenkamp	424	256.1	
		5,194,254	Mar/93	Barber et al.	424	85.8	
		5,506,139	Apr/96	Loosmore et al.			

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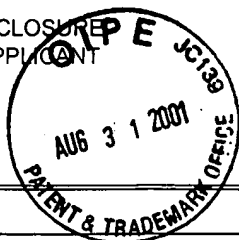
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCL.	TRANSLATION	
		WO 97/36914	Oct/97	PCT			YES	NO
		WO 92/17167	Oct/92	PCT				
		WO 94/21290	Sep/94	PCT				
		WO 93/19090	Sep/93	PCT				
		0 502 637 A1	Feb/92	EP				
		Supplement No. 2	Nov/98	EPO				

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	1	Berkowitz et al. 1987. J. Pediatr. <b>110</b> :509.
	2	Claesson et al. 1989. J. Pediatr. <b>114</b> :97.
	3	Black, S.B., H.R. Shinefield, B. Fireman, R. Hiatt, M. Polen, E. Vittinghoff, The Northern California Kaiser Permanent Vaccine Study Center Pediatrics Group. Efficacy in infancy of oligosaccharide conjugate <i>Haemophilus influenzae</i> type b (HbOC) vaccine in a United States population of 61,080 children. 1991. Pediatr. Infect. Dis. J. <b>10</b> :97-104.
	4	Madore, D.V. 1996. Impact of immunization on <i>Haemophilus influenzae</i> type b disease. Infectious Agents and Disease <b>5</b> :8-20.
	5	Bluestone, C.D. 1982. Current concepts in otolaryngology. Otitis media in children: to treat or not to treat? N. Engl. J. Med. <b>306</b> :1399-1404.
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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7	Barenkamp, S.J., and E. Leininger. 1992. Cloning, expression, and DNA sequence analysis of genes encoding nontypeable <i>Haemophilus influenzae</i> high-molecular-weight surface-exposed proteins related to filamentous hemagglutinin of <i>Bordetella pertussis</i> . <i>Infect. Immun.</i> <b>60</b> :1302-1313.	
8	Barenkamp, S.J., and J.W. St. Geme III. 1994. Genes encoding high-molecular-weight adhesion proteins of nontypeable <i>Haemophilus influenzae</i> are part of gene clusters. <i>Infect. Immun.</i> <b>62</b> :3320-3328.	
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10	St. Geme III, J.W., S. Falkow, and S.J. Barenkamp. 1993. High-molecular-weight proteins of nontypeable <i>Haemophilus influenzae</i> mediate attachment to human epithelial cells. <i>Proc. Natl. Acad. Sci. USA</i> <b>90</b> :2875-2879.	
11	Barenkamp, S.J. 1996. Immunization with high-molecular-weight adhesion proteins of nontypeable <i>Haemophilus influenzae</i> modifies experimental otitis media in chinchillas. <i>Infect. Immun.</i> <b>64</b> :1246-1251.	
12	Tabor, S., and C.C. Richardson. 1985. A bacteriophage T7 RNA polymerase/promoter system for controlled exclusive expression of specific genes. <i>Proc. Natl. Acad. Sci. USA</i> <b>82</b> :1074-1078.	
13	Patient, M.E., and D.K. Summers. 1993. ColE1 multimer formation triggers inhibition of <i>Escherichia coli</i> cell division. <i>Molec. Microbiol.</i> <b>9</b> :1089-1095.	
14	Barenkamp, S. 1986. Protection by serum antibodies in experimental nontypeable <i>Haemophilus influenzae</i> otitis media. <i>Infect. Immun.</i> <b>52</b> :572-578.	
15	Yang, Y.-P., S.M. Loosmore, B. Underdown, and M.H. Klein. 1998. Nasopharyngeal colonization with nontypeable <i>H. influenzae</i> in chinchillas. <i>Infect. Immun.</i> <b>66</b> :1973-1980.	
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18	Ulmer et al. 1993. <i>Curr. Opin. Invest. Drugs</i> <b>2</b> :983-989.	
19	Lockhoff, O., 1991. Glycolipids as immunomodulators: Synthesis and properties.	
20	Nixon-George A., et al., 1990. The adjuvant effect of stearyl tyrosine on a recombinant subunit hepatitis B surface antigen. <i>J. Immunol</i> <b>144</b> (12):4798-4802.	
21	Dawid S.R. et al., 1998, High Molecular Weight ..... p. 74 XP-002133638	
22	St. Geme III W.J. et al., <i>Infection and Immunity</i> (1998), p. 364-368.	
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24	Murphy F.T. et al., <i>Pediatric Infect Dis J.</i> 1989; <b>8</b> :S66-S68	
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